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| L2    | 1    | state adj restoration adj logic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/20 10:01 |
| L3    | 1    | (microprocessor same restore same sav\$6) and (diagnostic adj3 module) | USPAT   | OR               | ON      | 2005/06/20 10:03 |
| L4    | 1    | (microprocessor same restore same sav\$6) and (diagnostic adj3 module) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/20 10:03 |
| L5    | 16   | ("4433413"   "5119378"   "5157781").PN. OR ("5657330").URPN.           | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2005/06/20 10:24 |
| L6    | 837  | ((703/17) or (712/220) or (707/206)).CCLS.                             | USPAT   | OR               | OFF     | 2005/06/20 10:25 |
| L7    | 9    | 6 and-exception and handler and diagnostic                             | USPAT   | OR               | ON      | 2005/06/20 10:26 |

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|-------|------|--------------------------------------|-------|------------------|---------|------------------|
| L1    | 354  | pipeline and microprocessor and JTAG | USPAT | OR               | ON      | 2005/06/20 12:11 |
| L2    | 114  | 1 and diagnostic                     | USPAT | OR               | ON      | 2005/06/20 12:11 |
| L3    | 0    | 1 and (diagnostic adj3 module)       | USPAT | OR               | ON      | 2005/06/20 12:11 |
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D. Sriram, R. Joobani

January 1985 **ACM SIGART Bulletin**, Issue 91

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The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

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Anita K. Jones, Peter Schwarz

June 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 2

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### 3 [The Starfire SMP interconnect](#)

Alan Charlesworth, Nicholas Aneshansley, Mark Haakmeester, Dan Drogichen, Gary Gilbert, Ricki Williams, Andrew Phelps

November 1997 **Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)**

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The Starfire interconnect extends the envelope of Unix symmetric multiprocessor (SMP) systems in several dimensions. **Interconnect:** an active centerplane with four address routers and a 16x16 data crossbar provides 64 UltraSPARC processors with uniform memory access at a bandwidth of 10,667 MBps. **Flexibility:** Starfire can be dynamically reconfigured into multiple hardware-protected operating system domains. **Robustness:** Failing boards can be hot swapped without interrupting sy ...

**Keywords:** SMP, UMA, bandwidth, domains, interconnect, latency, partitions

### 4 [A structural view of the Cedar programming environment](#)

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann

August 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 8 Issue 4

Full text available:  [pdf\(6.32 MB\)](#)

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This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized.

Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

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Software safety issues become important when computers are used to control real-time, safety-critical processes. This survey attempts to explain why there is a problem, what the problem is, and what is known about how to solve it. Since this is a relatively new software research area, emphasis is placed on delineating the outstanding issues and research topics.

10 A framework for the assessment of operating systems for small computers

Hossein Saiedian, Munib Siddiqi

April 1996 **ACM SIGICE Bulletin**, Volume 21 Issue 4

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A number of high performance operating systems are now available for small computers on different hardware platforms. These operating systems offer many advanced features formerly reserved for their workstation and minicomputer counterparts. This article surveys the most widely used of such operating systems, namely OS/2, Windows NT, Linux and Macintosh System 7.5. It provides an account on the history, design objectives and evolution of these operating systems and discusses their key features, ...

**Keywords:** CP/M, DOS, Linux, Macintosh, Microcomputers, OS/2, Operating Systems, Small Computer Systems, Windows, Windows NT

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**Keywords:** adaptive signal processing, electrocardiogram, fetal monitoring instrumentation, human fetus, transabdominal recording

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
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Telecommunications Energy Conference, 1990. INTELEC '90., 12th International  
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Microwaves, Radar and Wireless Communications, 2004. MIKON-2004. 15th International Conference  
on  
Volume 3, 17-19 May 2004 Page(s):919 - 923 Vol.3  
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Intelligent Processing Systems, 1997. ICIPS '97. 1997 IEEE International Conference on  
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- ☐ 4. **A microprocessor-controlled door lock system**  
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Consumer Electronics, IEEE Transactions on  
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- ☐ 5. **The electronics system for the LBNL Positron Emission Mammography (PEM) camera**  
Moses, W.W.; Young, J.W.; Baker, K.; Jones, W.; Lenox, M.; Ho, M.H.; Weng, M.;  
Nuclear Science Symposium Conference Record, 2000 IEEE  
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- ☐ 6. **The electronics system for the LBNL positron emission mammography (PEM) camera**  
Moses, W.W.; Young, J.W.; Baker, K.; Jones, W.; Lenox, M.; Ho, M.H.; Weng, M.;  
Nuclear Science, IEEE Transactions on  
Volume 48, Issue 3, June 2001 Page(s):632 - 636  
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